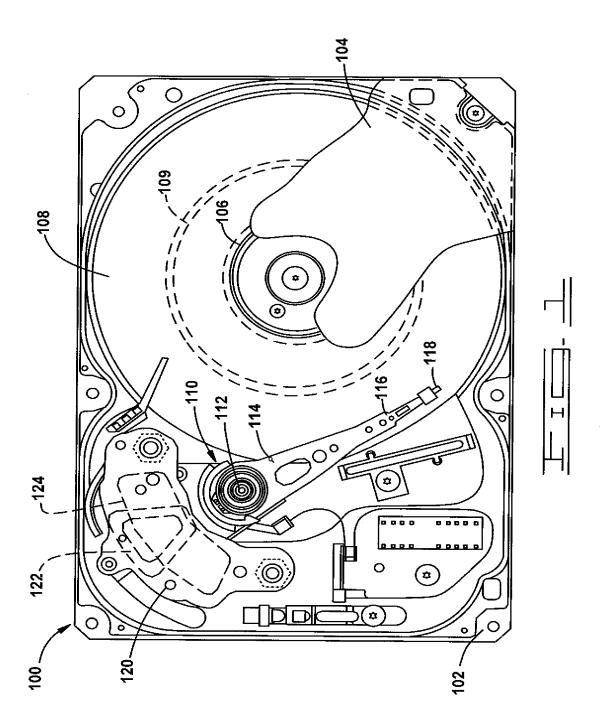
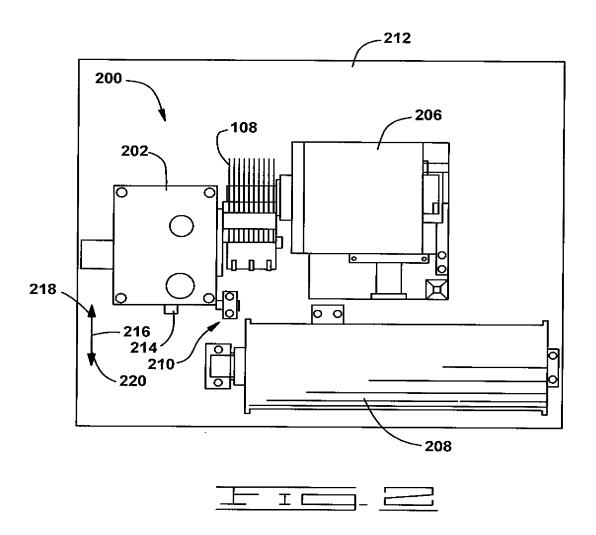
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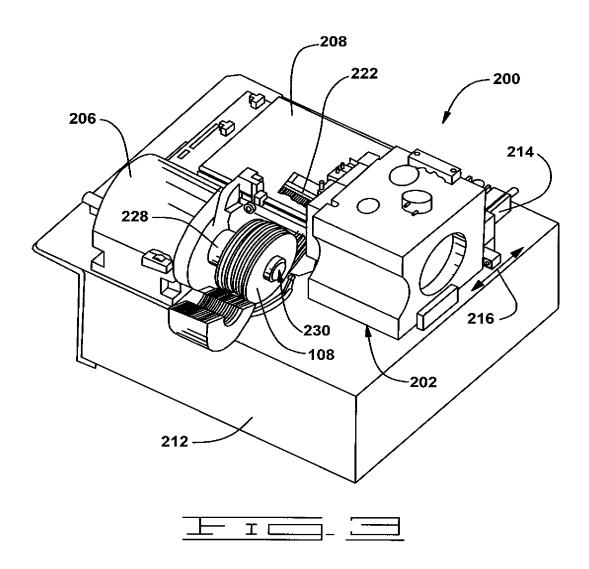


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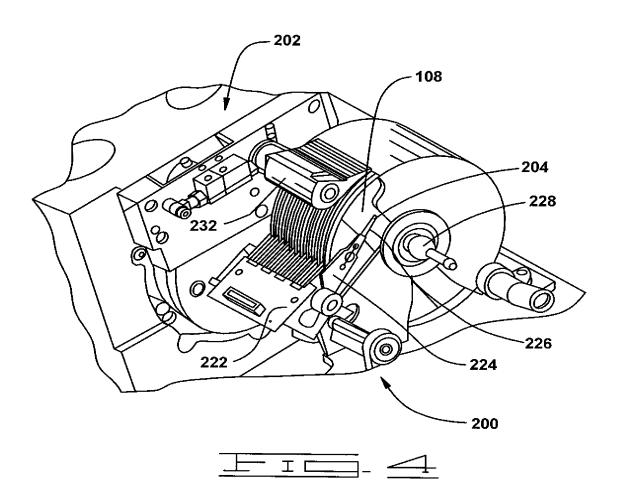




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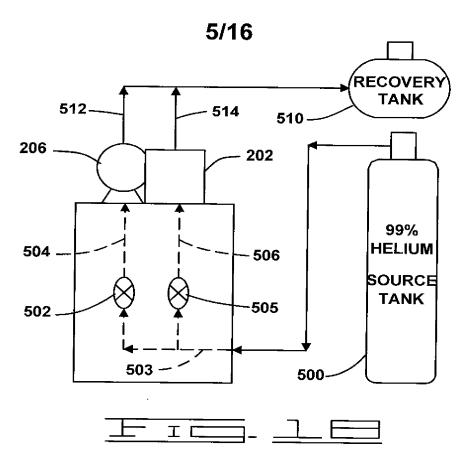
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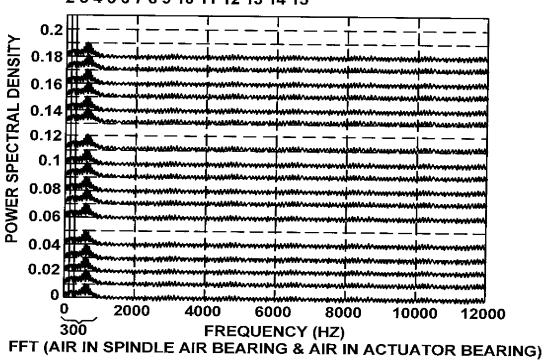


Title: SERVO TRACK WRITER WITH HELIUM BEARING Inventor: Mark A. Toffle, et al.

Filed: 7/23/03 Dkt. STL10953



PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS 2 3 4 5 6 7 8 9 10 11 12 13 14 15



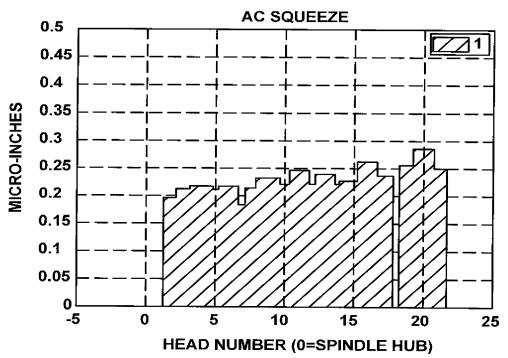




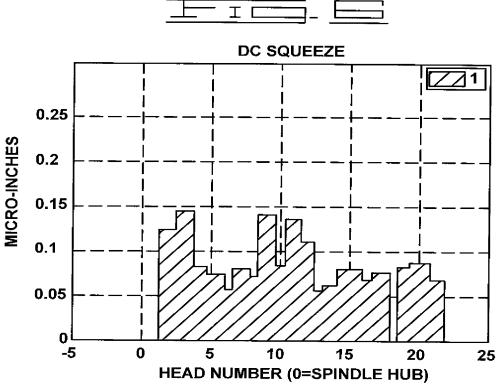
Title: SERVO TRACK WRITER WITH HELIUM BEARING Inventor: Mark A. Toffle, et al. $\,$

Filed: 7/23/03 Dkt. STL10953

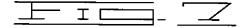




AIR SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)

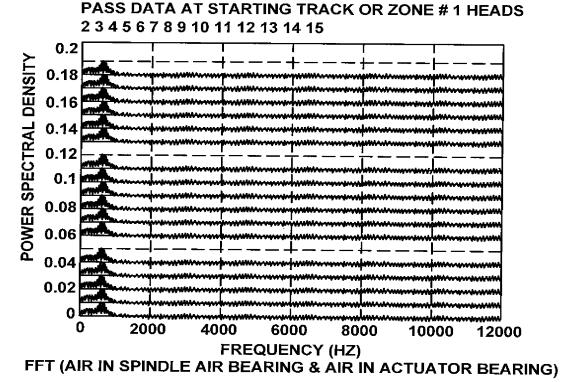


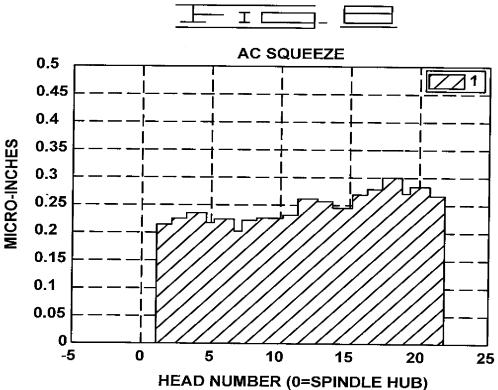
DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



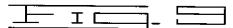


7/16





AC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)





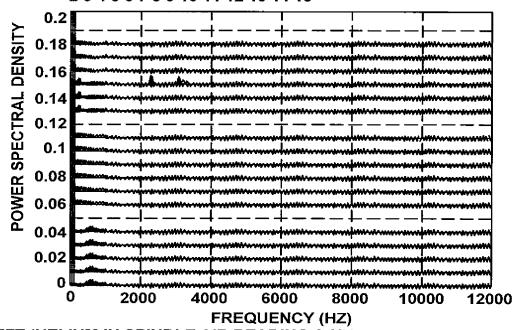
8/16
DC SQUEEZE

0.25
0.15
0.05
0.05
10 15 20 25
HEAD NUMBER (0=SPINDLE HUB)

DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS 2 3 4 5 6 7 8 9 10 11 12 13 14 15

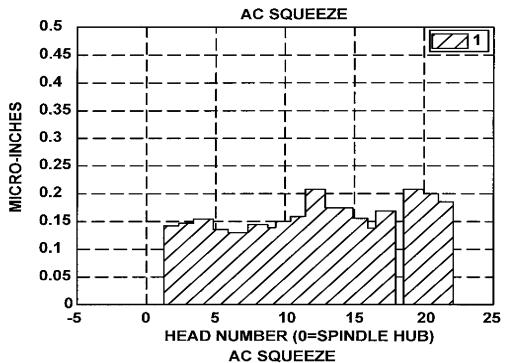


FFT (HELIUM IN SPINDLE AIR BEARING & HÉLIUM IN ACTUATOR BEARING)

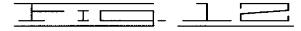


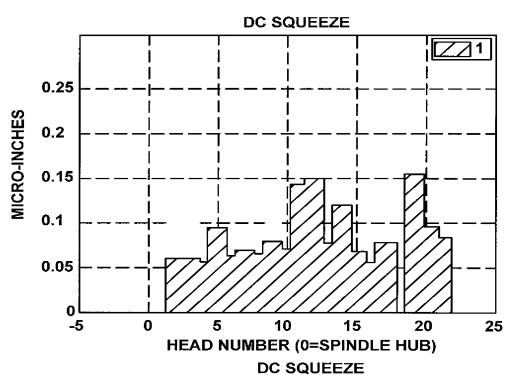


9/16

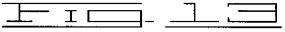


(HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



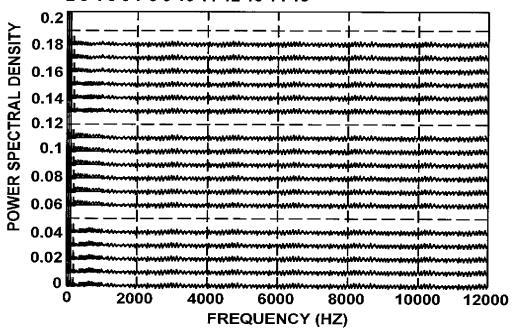


(HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



10/16

PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS 2 3 4 5 6 7 8 9 10 11 12 13 14 15

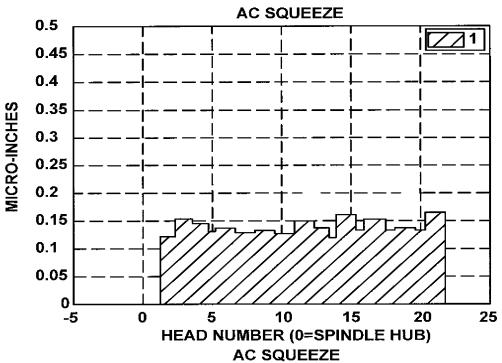


FFT (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

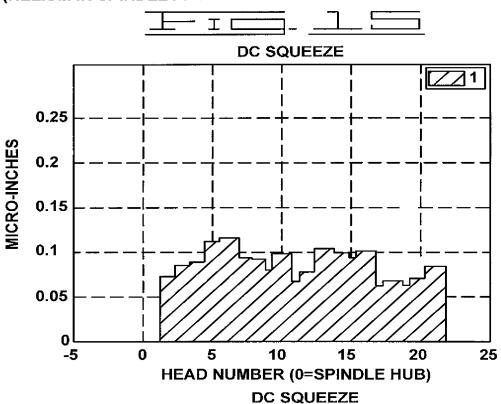


Dkt. STL10953

11/16



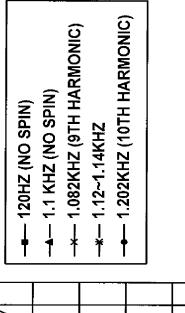
(HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

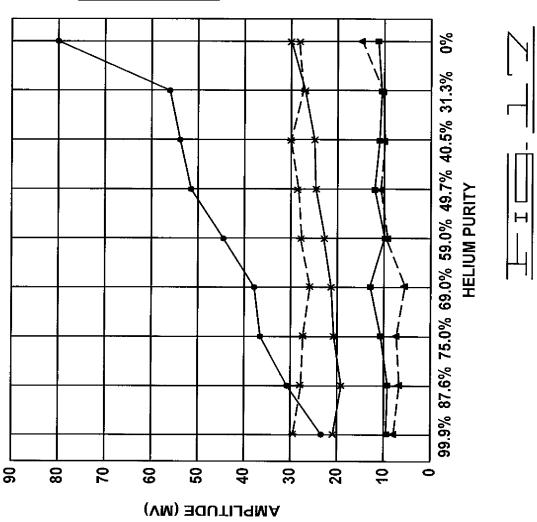


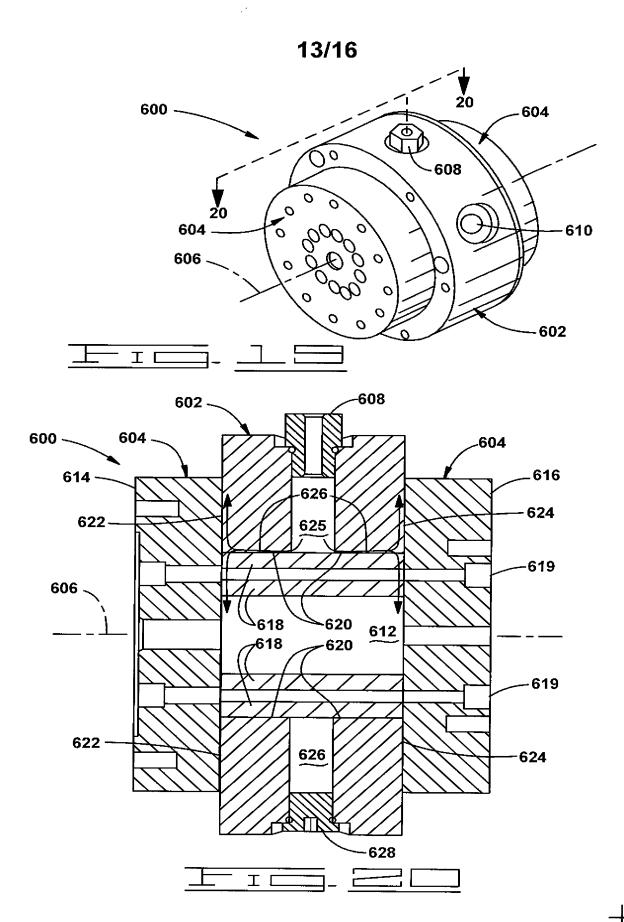
(HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

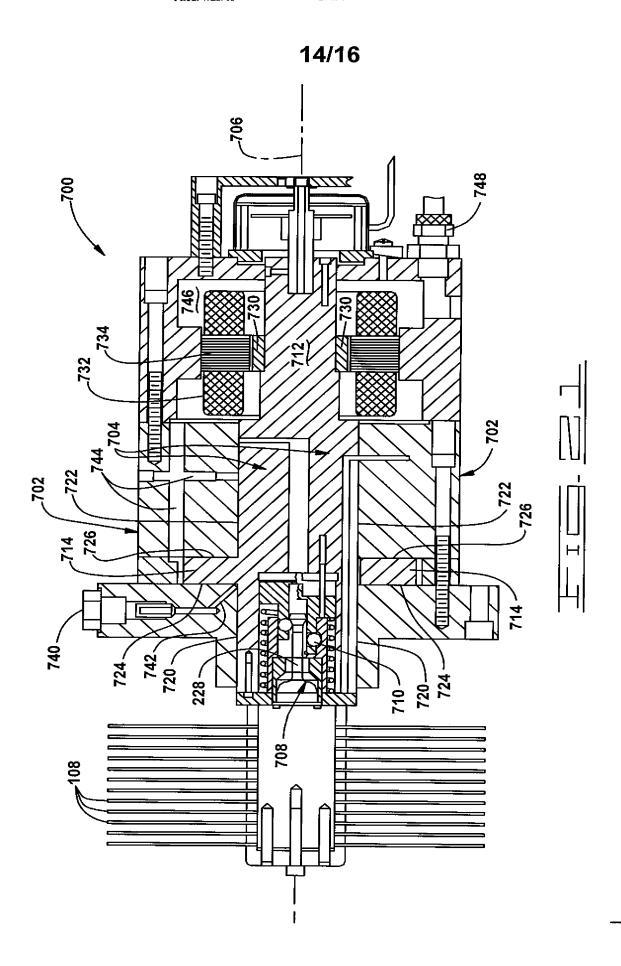


12/16



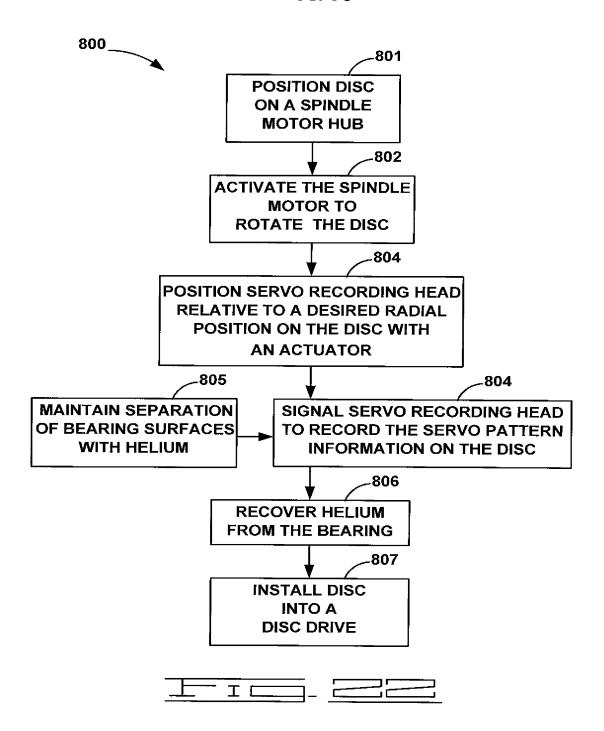






Dkt. STL10953

15/16



Dkt. STL10953

16/16

